Title (en)

NON-AQUEOUS ELECTROLYTIC SOLUTION FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME

Title (de)

NICHTWÄSSRIGE ELEKTROLYTLÖSUNG FÜR LITHIUMSEKUNDÄRBATTERIE, UND LITHIUMSEKUNDÄRBATTERIE DIESELBE UMFASSEND

Title (fr)

SOLUTION ÉLECTROLYTIQUE NON-AQUEUSE POUR BATTERIE SECONDAIRE AU LITHIUM, ET BATTERIE SECONDAIRE AU LITHIUM LA COMPRENANT

Publication

EP 3490050 B1 20240410 (EN)

Application

EP 18802453 A 20180201

Priority

- KR 20170061201 A 20170517
- KR 2018001413 W 20180201

Abstract (en)

[origin: EP3490050A1] The present invention relates to a non-aqueous electrolyte solution for a lithium secondary battery and a lithium secondary battery including the same, and particularly, to a non-aqueous electrolyte solution for a lithium secondary battery which includes a fluorine-containing compound capable of forming a stable film on the surface of an electrode as an additive, and a lithium secondary battery including the same.

IPC 8 full level

H01M 10/0567 (2010.01); **H01M 4/36** (2006.01); **H01M 4/48** (2010.01); **H01M 4/587** (2010.01); **H01M 10/0525** (2010.01)

CPC (source: EP KR US)

C07F 9/6574 (2013.01 - US); **C07F 9/65742** (2013.01 - KR); **C07F 19/00** (2013.01 - KR); **H01M 4/364** (2013.01 - EP US); **H01M 4/483** (2013.01 - EP US); **H01M 4/587** (2013.01 - EP US); **H01M 10/0525** (2013.01 - EP KR US); **H01M 10/0567** (2013.01 - EP KR US); **H01M 10/0568** (2013.01 - KR US); **H01M 10/0569** (2013.01 - KR US); **H01M 10/4235** (2013.01 - KR); **H01M 10/44** (2013.01 - US); H01M 2300/0025 (2013.01 - EP US); H01M 2300/0028 (2013.01 - US); Y02E 60/10 (2013.01 - EP KR)

Cited by

EP4020651A4; JP2022548359A

Designated contracting state (EPC)

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